



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Inventors : Natalie A. Solov and
William S. Carey
Serial No. : 10/646,278
Filed : August 22, 2003
Title : WATER SOLUBLE COPOLYMERS
PREPARED USING
PHOSPHOROUS CONTAINING
CHAIN TRANSFER AGENTS
Art Unit : Not yet assigned
Docket No. : 020354-074P2
Customer No.: 33805

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08A. One copy of each foreign patent reference and each non-patent literature reference are attached pursuant to 37 C.F.R. 1.98 (a)(2). Copies of all U.S. patents listed are omitted pursuant to the waiver of this requirement in the Official Gazette of August 5, 2003.

In addition, and pursuant to 37 C.F.R. 1.97(d), the attention of the U.S. Patent and Trademark Office is also directed to those references identified with copies submitted in the chain of applications from which this application claims priority. Specifically this application claims the benefit of prior U.S. Patent Application Serial No. 09/808,679 filed on March 15, 2001, which is now U.S. Patent No. 6,444,747 issued September 3, 2002, and U.S. Patent Application Serial No. 09/878,646 filed on June 11, 2001. To the best of applicants' knowledge and belief all references cited in the prior applications are cited herein.

It is respectfully requested that the information identified herein and in all priority applications be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information disclosure statement, filed in accordance with 37 C.F.R. 1.97, shall not be construed as a representation that a search has been made or that any item listed herein is "prior art." Further, the filing of this information disclosure statement shall not be construed to be an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b)

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1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,
WEGMAN, HESSLER & VANDERBURG

Date: 11/12/03

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PTO/SB/08A (10-01)

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Substitute Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/646,278
				Filing Date	August 22, 2003
				First Named Inventor	Natalie A. Solov
				Art Unit	
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	020354 074P2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,875,202	04/01/1975	Steckler	
		US-4,471,100	09/11/1984	Tsubakimoto et al.	
		US-4,659,480	04/21/1987	Chen et al.	
		US-4,659,481	04/21/1987	Chen	
		US-4,681,686	07/21/1987	Richardson et al.	
		US-4,701,262	10/20/1987	Chen	
		US-4,717,499	01/05/1988	Chen	
		US-4,732,698	03/22/1988	Chen	
		US-4,759,851	07/26/1988	Chen	
		US-4,872,995	10/10/1989	Chen et al.	
		US-4,895,663	01/23/1990	Chen	
		US-4,913,822	04/03/1990	Chen et al.	
		US-5,077,361	12/31/1991	Hughes et al.	
		US-5,180,498	01/19/1993	Chen et al.	
		US-5,256,746	10/26/1993	Blankenship et al.	
		US-5,292,379	03/08/1994	Reichgott et al.	

Examiner Signature		Date Considered	
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³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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				Art Unit	
				Examiner Name	
Sheet	2	of	3	Attorney Docket Number	020354 074P2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,294,686	03/15/1994	Fiarman et al.	
		US-5,362,324	11/08/1994	Cerulli et al.	
		US-5,391,238	02/21/1995	Reichgott et al.	
		US-5,661,206	08/26/1997	Tanaka et al.	
		US-5,705,665	01/06/1998	Ichinohe et al.	
		US-5,726,267	03/10/1998	Howland et al.	
		US-5,575,920	11/19/1996	Freese et al.	
		US-6,444,747	09/03/2002	Chen et al.	
		US-2,957,931	10/25/1960	Hamilton et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country - Number ⁴ - Kind Code ⁵ Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		GB-2,328,440				
		EP-448717				
		JP-2102152				
		JP-2206757				
		JP-93660				

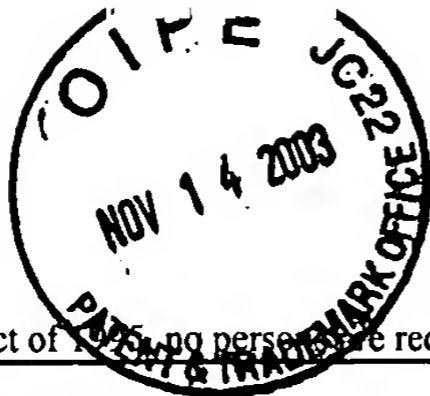
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				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	020354 074P2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		<i>Betz Handbook of Industrial Water Conditioning</i> , 8 th Ed., 1980, Betz Laboratories, Inc., Trevose, PA pp. 85-96	
		<i>Betz Handbook of Industrial Water Conditioning</i> , 9 th Ed., 1991, Betz Laboratories, Inc., Trevose, PA, pp. 96-104	
		<i>Bimax Website Product Sheet</i> , http://www.bimax.com/allyl-htm , pages 1-2, copyrights 1998, Bimax Chemicals Ltd., revised 01/20/2002, printed 08/06/2003	

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